PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PC-9310	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No.	International filing date (day/month	/year) Priority date (day/month/year)				
PCT/JP2004/014286	22.09.2004	24.09.2003				
International Patent Classification (IPC) or nation						
	C22C38/00, 38/06, 38/54, C21D9/46					
Applicant NIPPON STEEL CORPORATION						
	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of	4 shee	sheets, including this cover sheet.				
3. This report is also accompanied by A	NNEXES, comprising:					
		of sheets, as follows:				
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative						
Instructions). sheets which supers	ede earlier sheets, but which this A	nthority considers contain an amendment that goes beyond				
the disclosure in the		as indicated in item 4 of Box No. I and the Supplemental				
Box.						
b (sent to the International	Bureau only) a total of (indicate type	and number of electronic carrier(s))				
		, containing a sequence listing and/or tables				
related thereto, in computer Section 802 of the Administ		the Supplemental Box Relating to Sequence Listing (see				
This report contains indications relations		and the second s				
Box No. I Basis of the						
	- Lopon					
Box No. II Priority	والمراجع المراجع	when the continue above and to decide the continue the continue				
	-	velty, inventive step and industrial applicability				
	ity of invention					
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain doc	Box No. VI Certain documents cited					
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of com	pletion of this report				
1						
Name and mailing address of the IPEA/JP	Authorized of	Authorized officer				
Facsimile No.	Telephone N	Telephone No.				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/014286

Box	No. I	Basis of the report			
1.	With	h regard to the language, this report is based on the internatio	nal application in the language in which i	t was filed, unless otherwise	
	indic	cated under this item. This report is based on translations from the original langua		,	
 -		which is the language of a translation furnished for the purp	JUSCS 01:		
		international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4)		
		international preliminary examination (Rule 55.2 and			
2.	With	h regard to the elements of the international application, this eving Office in response to an invitation under Article 14 and	s report is based on (replacement sheets w	which have been furnished to the 'y filed" and are not annexed to	
		report):			
		the international application as originally filed/furnished			
	Ш	the description:			
		pages		as originally filed/furnished	
		pages*			
	_	pages*	received by this Authority on		
	Ш	the claims:			
		nos.		as originally filed/furnished	
		nos.*			
		nos.*	_		
	_	nos.*	received by this Authority on		
		the drawings:			
		sheets		as originally filed/furnished	
		sheets*	received by this Authority on		
		sheets*	received by this Authority on		
		a sequence listing and/or any related table(s) - see Supplement	nental Box Relating to Sequence Listing.		
3.		The amendments have resulted in the cancellation of:			
		the description, pages			
		the claims, nos.			
		the drawings, sheets/figs			
		the sequence listing (specify):			
		any table(s) related to sequence listing (specify):			
4.		This report has been established as if (some of) the amen they have been considered to go beyond the disclosure as	ndments annexed to this report and listed filed, as indicated in the Supplemental Bo	below had not been made, since x (Rule 70.2(c)).	
		the description, pages			
		the claims, nos.			
		the drawings, sheets/figs			
1		the sequence listing (specify):			
	any table(s) related to sequence listing (specify):				
*	If it	item 4 applies, some or all of those sheets may be marked "su	perseded."		

International application No.
PCT/JP2004/014286

Box	No. V	Reasoned statement citations and expla	t under Ar nations sup	ticle 35(2) with regard to novelty, inventive step or industrial applicability; porting such statement	
1.	Statement				
	Novelty (N)	Claims	5-10	YES
			Claims	1-4	NO
	Inventive	step (IS)	Claims	5-10	YES
			Claims	1-4	NO
	Industrial	applicability (IA)	Claims	1-10	YES
			Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP 2001-303186 A (Nippon Steel Corp.), 31
October 2001, claims and examples & EP
1201780 A1 & KR 2022639 A & US 6589369 B2 &
WO 01/81640 A1

Claims 1 to 4

The inventions set forth in claims 1 to 4 lack novelty in the light of document 1 cited in the international search report. Document 1 does not disclose the hardness ratio of the steel sheet. However, the composition of the steel sheet includes martensite and a polygonal ferrite (in the light of the fact that the term "ferrite" conventionally signifies a "polygonal ferrite," as is indicated in paragraph [0037] of the document JP 2001-335889 A), and thus the hardness ratio of the steel sheet that is disclosed in document 1 can be considered to fall within the range of hardness ratios which is set forth in the present application. In addition, it is possible to galvanize the steel sheet, as necessary.

Claims 5 to 10

The inventions set forth in claims 5 to 10 are not disclosed in any of the documents that are cited in the

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
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I	Box No. V Reaso	oned statement under Article 35(2 ons and explanations supporting s) with regard to novelty, inventive such statement	step or industrial applicability;
Γ	internati	onal search repo	ort; therefore, t	he inventions in
	question	are novel. Furth	nermore, it would	not have been
	easy to c	onceive of the f	eatures that are	set forth in
	the above	mentioned claims	s, even for a per	son skilled in
	the art.			
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